7. References

[1]. Alexander G. Schwing and Raquel Urtasun(2015), Fully Connected Deep Structured Networks, arXiv:1503.02351v1.

[2]. Anastasios Doulamis, Nikolaos Doulamis, Klimis Ntalianis, and Stefanos Kollias(2003), An Efficient Fully Unsupervised Video Object Segmentation Scheme Using an Adaptive Neural-Network Classifier Architecture, IEEE TRANSACTIONS ON NEURAL NETWORKS, VOL. 14, NO. 3.

[3]. Bharath Hariharan, Pablo Arbel´aez, Ross Girshick, and Jitendra Malik(2014), Simultaneous Detection and Segmentation, arXiv:1407.1808v1.

[4]. Bogdan Alexe, Thomas Deselaers, and Vittorio Ferrari(2012), Measuring the Objectness of Image Windows, IEEE Transactions on Pattern Analysis and Machine Intelligence,Volume:34, Issue: 11.

[5]. Camille Couprie, Clement Farabet, Laurent Najman and Yann LeCun(2013), Indoor Semantic Segmentation using depth information, arXiv:1301.3572v2.

[6]. C.P. Town and D. Sinclair(2001), Content Based Image Retrieval using Semantic Visual Categories, CiteSeer.

[7]. Christian Szegedy Alexander Toshev Dumitru Erhan(2013), Deep Neural Networks for Object Detection, Advances in Neural Information Processing Systems 26 (NIPS 2013).

[8]. Cl´ement Farabet, Camille Couprie, Laurent Najman, Yann Lecun(2013), Learning Hierarchical Features for Scene Labeling, IEEE Transactions on Pattern Analysis and Machine Intelligence, Institute of Electrical and Electronics Engineers (IEEE), 35 (8), pp.1915 – 1929.

[9]. Clément Farabet, Camille Couprie, Laurent Najman and Yann LeCun(2012), Scene Parsing with Multiscale Feature Learning, Purity Trees, and Optimal Covers, arXiv:1202.2160v2.

[10]. Hongsheng Li, Rui Zhao, and Xiaogang Wang(2014), Highly Efficient Forward and Backward Propagation of Convolutional Neural Networks for Pixelwise Classification, arXiv:1412.4526v2.

[11]. Jifeng Dai, Kaiming He and Jian Sun(2015), Convolutional Feature Masking for Joint Object and Stuff Segmentation, arXiv:1412.1283v4.

[12]. Jonathan Long, Evan Shelhamer and Trevor Darrell(2015), Fully Convolutional Networks for Semantic Segmentation, arXiv:1411.4038v2.

[13]. Jose M. Alvarez, Yann LeCun, TheoGevers and Antonio M. Lopez(2012), Semantic Road Segmentation via Multi-scale Ensembles of Learned Features, ECCV 2012 Ws/Demos, Part II, LNCS 7584, pp. 586–595.

[14]. Joseph J. Lim C. Lawrence Zitnick Piotr Doll´ar(2013), Sketch Tokens: A Learned Mid-level Representation for Contour and Object Detection, IEEE Conference on Computer Vision and Pattern Recognition (CVPR).

[15]. Joao carreira and cristian sminchisescu(2010)**,** constrained parametric min-cuts for automatic object segmentation, IEEE Transactions on Pattern Analysis and Machine IntelliGence.

[16]. Liang-Chieh Chen, George Papandreou, Iasonas Kokkinos, Kevin Murphy and Alan L. Yuille(2015), Semantic image segmentation with deep convolutional nets and fully connected crfs, ICLR.

[17]. Mohammadreza Mostajabi, Payman Yadollahpour and Gregory Shakhnarovich(2014), Feedforward semantic segmentation with zoom-out features, arXiv:1412.0774v1.

[18]. Ning Zhang, Je Donahue, Ross Girshick, Trevor Darrell(2014), Part-based R-CNNs for Fine-grained Category Detection, arXiv:1407.3867v1.

[19]. Pablo Arbeaez, Bharath Hariharau, Chunhui Gu, Saurabh Gupta, Lubomir Bourdev and Jitendra Malik(2012), Semantic Segmentation using Regions and Parts, IEEE Conference on Computer Vision and Pattern Recognition (CVPR) .

[20]. Pedro H. O. Pinheiro Ronan(2013), Recurrent Convolutional Neural Networks for Scene Parsing, arXiv:1306.2795v1.

[21]. Philipp Kr¨ahenb¨uhl, Vladlen Koltun, Efficient Inference in Fully Connected CRFs with Gaussian Edge Potentialsar,Xiv:1210.5644v1

[22]. Pierre Sermanet David Eigen , Xiang Zhang Michael Mathieu Rob Fergus Yann LeCun(2014), OverFeat: Integrated Recognition, Localization and Detection using Convolutional Networks, arXiv:1312.6229v4.

[23]. Rainer Lienhart and Axel Wernicke(2002), Localizing and Segmenting Text in Images and Videos, IEEE transactions on circuits and systems for video technology, vol. 12, no. 4.

[24]. Richard Socher richard, Cliff Chiung-Yu Lin, Andrew Y. Ng, and Christopher D. Manning(2011), Parsing Natural Scenes and Natural Language with Recursive Neural Networks, Proceedings of the 28th International Conference on Machine Learning, Bellevue, WA, USA.

[25]. Ross Girshick(2015), Fast R-CNN, arXiv:1504.08083v2.

[26]. Ross Girshick, Jeff Donahue, Trevor Darrell, and Jitendra Malik(2014), Rich feature hierarchies for accurate object detection and semantic segmentation, arXiv:1311.2524v5.

[27]. Shaoqing Ren, Kaiming He, Ross Girshick and Jian Sun(2015), Faster R-CNN: Towards Real-Time Object Detection with Region Proposal Networks, arXiv:1506.01947v2.

[28]. Shuai Zheng Sadeep Jayasumana, Bernardino Romera-Paredes, Vibhav Vineet, Zhizhong Su, Dalong Du, Chang Huang, and Philip H. S. Torr Conditional Random Fields as Recurrent Neural Networks, arXiv:1502.03240v2

[29]. S. Ji and H.W. Park (1998), Image Segmentation of Color Image Based on Region Coherency, IEEE ICIP 98, Vol. 1.

[30]. Victor Lempitsky, Andrea Vedaldi and Andrew Zisserman(2011), A Pylon Model for Semantic Segmentation, Advances in Neural Information Processing Systems 24 (NIPS 2011). 1049-5258

[31]. Zeiler, Matthew D., Graham W. Taylor, and Rob Fergus. "Adaptive deconvolutional networks for mid and high level feature learning." Computer Vision (ICCV), 2011 IEEE International Conference on IEEE, 2011.